

Dear FCC, This letter is to notify you of my objection to BPL/PLC until more research can be performed to minimize interference to licensed users in the spectrum that the utility companies intend to use to transmit broadband information.

From 03-104 "What interference issues besides the issues raised under the general BPL interference section be addressed with the deployment of high-speed power line carrier systems? "

The FCC should note that the utility companies objected to expand the Amateur Radio Spectrum to the 135 KHz VLF band because of potential interference to existing utility data communications. There is potential interference because power lines provide minimal shielding to RF and the Commission agreed.

The same electromagnetic theory that would cause VLF RF interference to utility companies will cause RF interference to licensed users from the utility company should they deploy BPL/PLC using existing technologies.

The April 2003 issue of the IEEE Communications Magazine has several articles on power line communication. The article "Power Line Communications: State of the Art and Future Trends" acknowledges significant interference to licensed existing users of RF spectrum from 0.5-30 MHz. The authors contend that this interference must be addressed.

I hope the FCC will be consistent with its past rulings and give preference to existing licensed users when considering BPL/PLC technology.

Best Regards,

Sherman Banks
Chief Engineer - Dataradio Corporation
Amateur Radio Operator W4ATL

Sherman Banks, Chief Engineer
Dataradio Corporation
(770) 392-0002 Extension 226